

## NOTES

HERBARIA OF NEW MEXICO.—One of the last states to be explored botanically, New Mexico's first plant specimens were collected in the 1830's (McKelvey, Botanical exploration of the Trans-Mississippi West, 1955). Poorly explored areas still exist in the state.

Moreover, the present size of herbarium collections in New Mexico is markedly smaller than that of neighboring states, in spite of the great diversity in topography and the complex floristic composition of the state. The combined number of specimens in the two largest collections in New Mexico is 158,000, compared with 425,000 specimens in the largest two collections in Arizona, 485,000 in Colorado and 1,272,000 in Texas (Holmgren et al., Index herbariorum part I: The herbaria of the world. 7th ed. 1981). The paucity of study specimens increases the probability that small local collections may well contain forms not found in the larger collections. This directory is compiled to inform students of New Mexico botany of the smaller, local collections available in the state.

Data for this list were collected from questionnaires mailed to 60 institutions including colleges and universities, national parks and monuments, national wildlife refuges, selected museums, and BLM district offices. Telephone calls were made to non-responders and a few herbaria were visited. From the results, 20 collections were judged appropriate for listing. Collections of less than 200 specimens, and those without data for specimens are not included. Six of the collections have Index Herbariorum standard acronyms; most of the rest probably will never be accessible in the Index. The data for the 20 collections are current as of December 1989. Although I am reasonably certain that this list is complete, I would appreciate hearing of other herbaria for inclusion in an updated list.

The largest collection, at the University of New Mexico, has 100,000 specimens. Next in size is New Mexico State University with 58,000 specimens. Eleven hold between 1000 and 15,000; seven contain less than 1000 specimens.

In 1888 the first herbarium in the state was established, at the State University of New Mexico at Las Cruces. It was the only collection in New Mexico until the 1920's, when the University of New Mexico, Cibola National Forest, and Carlsbad National Park set up herbaria.

Abbreviations used are: *No.* = number of specimens in the collection; *Spec.* = specializations of the collection; *Imp. coll.* = important collections and collectors; *Cur. res.* = current research at the herbarium.

### ALAMOGORDO

WHITE SANDS NATIONAL MONUMENT—P.O. Box 458, Alamogordo, 88310. (505) 761-6124. *Curator:* John A. Mangimeli. *No.:* 200. *Spec.:* Vascular plants of the White Sands National Monument.

### ALBUQUERQUE

BUREAU OF LAND MANAGEMENT—435 Montano NE, Albuquerque, 87107. (505) 761-4504. *Curator:* Dwain W. Vincent. *No.:* 570. *Spec.:* Compositae, Cactaceae, Leguminosae. *Imp. coll.:* *Sclerocactus mesaverdae*, *Pediocactus knowltonii*, *Sclerocactus whipplei*, *Pediocactus (Toumeyia) papyracantha*. *Cur. res.:* Range of *Abronia bigelovii* on the Todilto Formation, clearances for proposed gypsum mining.

CIBOLA NATIONAL FOREST HERBARIUM—10308 Candelaria NE, Albuquerque, 87112. (505) 275-5207. *Curator:* Fritz Winter. *No.:* 300. *Spec.:* Flora of the Cibola National Forest.

FOREST SERVICE HERBARIUM, SOUTHWESTERN REGION—USDA Forest Service, 517 Gold Avenue SW, Albuquerque, 87102. (505) 842-3228. *Curator*: Renee Galeano-Popp. *No.*: 10,000. *Spec.*: Flora of Arizona and New Mexico. *Imp. coll.*: Threatened and endangered species. *Cur. res.*: Status of rare species.

ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION HERBARIUM (ALBU)—2205 Columbia SE, Albuquerque, 87106. (505) 766-2384. *Curator*: Deborah Hays. *No.*: 1368. *Imp. coll.*: Mountain grasslands collection, collected by Janet Williams, 1984.

UNIVERSITY OF NEW MEXICO HERBARIUM AND MUSEUM OF BOTANY (UNM)—Museum of Southwestern Biology, Department of Biology, University of New Mexico, Albuquerque, 87131. (505) 277-5330. *Curator*: Timothy Lowrey. *No.*: 100,000. *Spec.*: New Mexico and surrounding areas. *Imp. coll.*: Cacti—E. F. Castetter; Prince Pearce. Grasses—E. F. Castetter; W. C. Martin; R. Fletcher; L. D. Potter; W. Springfield. General collections—E. F. Castetter; H. Dittmer; L. D. Potter; W. C. Martin; R. Fletcher; P. Knight; C. R. Hutchins; Aven Nelson; Dunn and Lint; Los Medanos (WIPP). *Cur. res.*: Floristics of New Mexico; Ethnobotany; Biochemical Taxonomy; Distribution.

#### CARLSBAD

CARLSBAD CAVERNS NATIONAL PARK HERBARIUM—National Park Service, Drawer T, Carlsbad, 88220. (505) 885-8884. *Curator*: John E. Roth. *No.*: 700. *Spec.*: Guadalupe Mountains, including the large numbers of endemics located there. *Imp. coll.*: Prasil, 1952; Hewitt-McClelland, 1956; McCrary, 1952; Spangle, 1960. *Cur. res.*: Floristics list and coverage of species found within the Park's legal boundaries.

#### FARMINGTON

SAN JUAN COLLEGE HERBARIUM (NMSJ)—4601 College Blvd., Farmington, 87401. (505) 326-3311 ext 358. *Curator*: Kenneth D. Heil. *No.*: 12,000. *Spec.*: Four Corner Region, Baja Calif., Big Bend Region, TX, SE Utah; Colorado alpine. *Imp. coll.*: *Astragalus*, *Atriplex*, Cactaceae. *Cur. res.*: Cactaceae, *Eriogonum*, *Gilia*.

#### LAS CRUCES

BUREAU OF LAND MANAGEMENT HERBARIUM—1800 Marquess, Las Cruces, 88005. (505) 525-8228. *Curator*: Laird McIntosh. *No.*: 500. *Spec.*: Poaceae, *Astragalus*, Asteraceae. *Imp. coll.*: McIntosh, Sivinski, Spellenberg.

NEW MEXICO STATE UNIVERSITY HERBARIUM (NMC)—Biology Department, New Mexico State University, Las Cruces, 88003. (505) 646-3121. *Curator*: Richard Spellenberg. *No.*: 58,000. *Spec.*: New Mexico and northern Mexico. *Imp. coll.*: Wooton, Standley, Spellenberg. *Cur. res.*: Floristics of New Mexico and northern Mexico, systematics of Nyctaginaceae, *Astragalus*, Poaceae, *Quercus*.

RANGE SCIENCE HERBARIUM (NMCR)—Knox Hall, New Mexico State University, Las Cruces, 88003. (505) 646-1042. *Curator*: Kelly W. Allred. *No.*: 15,000. *Spec.*: Grasses of New Mexico, teaching specimens. *Cur. res.*: Grasses of New Mexico.

#### LAS VEGAS

NEW MEXICO HIGHLANDS UNIVERSITY HERBARIUM—Division of Science and Math, Las Vegas, 87701. (505) 425-7511, ext 264. *Curator*: Maureen Romine. *No.*: 1000. *Spec.*: Southwestern plants. *Imp. coll.*: Lora M. Shields. *Cur. res.*: Plants of north-eastern N.M.

#### LOS ALAMOS

BANDELIER NATIONAL MONUMENT HERBARIUM—Bandelier National Monument, Los Alamos, 87544. (505) 672-3861. *Curator*: Ken Stephens. *No.*: 2200. *Spec.*: Ref-

erence collection and vouchers to document the plant life of Bandelier. *Imp. coll.*: Clark (1941), Brian F. Jacobs (1986–88). *Cur. res.*: Plant inventory (1986–1988).

#### PORTALES

NATURAL HISTORY MUSEUM HERBARIUM—Eastern New Mexico University, Portales, 88130. (505) 562-2723. *Curator*: A. L. Gennaro. *No.*: 6000. *Spec.*: New Mexican Llano Estacado. *Imp. coll.*: David Yos, Mary Sublette, Jack Secor. *Cur. res.*: Llano Estacado.

#### SANTA FE

NEW MEXICO NATURAL HISTORY INSTITUTE HERBARIUM—St. John's College, Santa Fe, 87501-4599. (505) 982-3691. *Curator*: Roger S. Peterson. *No.*: 4500. *Spec.*: New Mexico, esp. Santa Fe, San Juan and Chaves counties; alpine tundra; *Astragalus* of AZ, NV, CA. *Cur. res.*: Ecological field projects involving NM alpine tundra, and Bitter Lake and Bosque del Apache National Wildlife Refuges.

SANTA FE NATIONAL FOREST HERBARIUM—USDA Forest Service, Piñon Building, 1220 St. Francis Blvd., Santa Fe, 87501. (505) 988-6961. *Curator*: Kathy Rinaldi. *No.*: 1500. *Spec.*: Grasses and forbs of the Santa Fe National Forest.

#### SILVER CITY

DEPARTMENT OF NATURAL SCIENCE HERBARIUM (SNM)—Western New Mexico University, Silver City, 88061. (505) 538-6423. *Curator*: Terry Heiner. *No.*: 6000. *Spec.*: Southwestern NM.

GILA NATIONAL FOREST HERBARIUM—USDA Forest Service, Silver City, 88061. (505) 388-8201. *Curator*: John Baldwin. *No.*: 700. *Spec.*: Local common species of grasses, forbs, and shrubs of southwestern NM, used primarily as a reference for plant identification.

#### SOCORRO

BOSQUE DEL APACHE NATIONAL WILDLIFE REFUGE HERBARIUM—Fish and Wildlife Service, P.O. Box 1246, Socorro, 87801. (505) 835-1828. *Curator*: John Taylor. *No.*: 500. *Spec.*: Plants collected from the Refuge. *Cur. res.*: Plant frequency and density; centers around alkaline areas.

BUREAU OF LAND MANAGEMENT, SOCORRO, HERBARIUM—198 Neel Ave., Socorro, 87801. (505) 835-0412. *Curator*: Wes Anderson. *No.*: 1848. *Spec.*: Plants of Socorro and Catron Counties. *Cur. res.*: Threatened and endangered plant inventories, in cooperation with The Nature Conservancy, on *Amsonia* and *Erigeron rhizomatus*. — CAROLYN DODSON, General Library, University of New Mexico, Albuquerque, NM 87131.

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